



# NFEST 2019



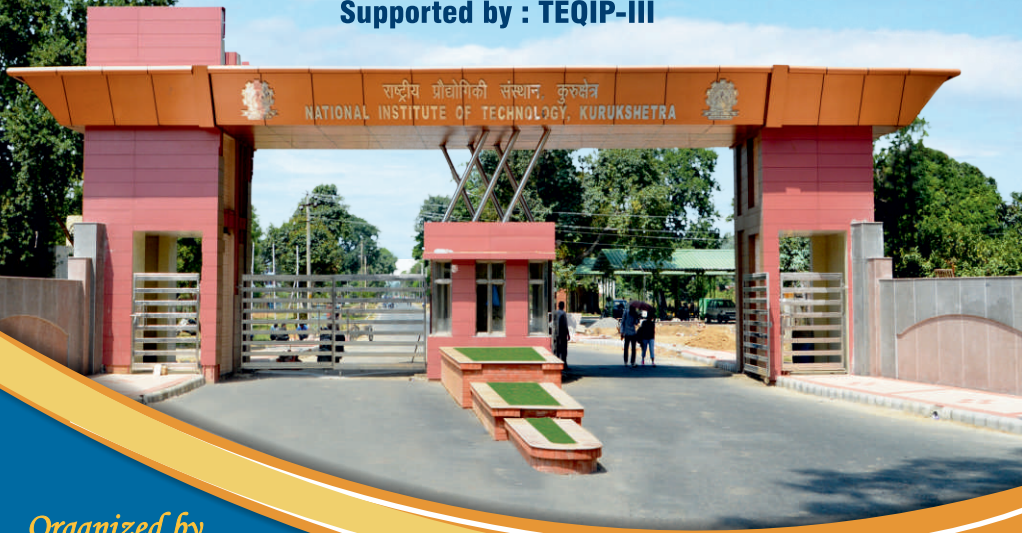
## 2<sup>nd</sup> International Conference on

## New Frontiers in Engineering Science & Technology

(Theme: Advances in Mechanical Engineering)

February 18-22, 2019

Supported by : TEQIP-III



*Organized by*

Department of  
Mechanical Engineering

National Institute of Technology Kurukshetra

*In Association with*



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# NFEST 2019

The 2<sup>nd</sup> International Conference on New Frontiers in Engineering, Science & Technology (NFEST 2019) with Theme of **Advances in Mechanical Engineering** provides a forum for the best talents in the academia and research institutions, industry experts, engineers and executives to collaborate and address the current challenges, to seek new windows for discovery and exploration, and to promote a new horizon of mechanical engineering for a sustainable future.

The conference aims to promote synergetic partnership between academia, research institutes and industries while showcasing the growth of cutting edge technology developed in the field of Mechanical Engineering in recent past.

## ABOUT KURUKSHETRA

Kurukshetra is a place of religious pilgrimage and historical significance. It is the land of Mahabharata, the place where sermons of 'Bhagwad Gita' were delivered. In medieval period, Thanesar, the old city, was the seat of power of Harshwardhana. Kurukshetra is well connected with railways/roadways. It is a railway junction on Delhi-Ambala section and is situated on National Highway No. 44. It is approximately 160 km from Delhi, 100 km from Chandigarh and 194 km from Shimla. NIT Kurukshetra is about 10 km from Pipli and 6 km from Kurukshetra railway station.



## ABOUT NIT KURUKSHETRA

National Institute of Technology Kurukshetra is an Institution of National Importance and has been a premier technical institute of the region. Founded in 1963 as Regional Engineering College Kurukshetra, the institute was rechristened as National Institute of Technology Kurukshetra on June 26, 2002. The institute offers 4-year B.Tech. degree courses in the engineering streams of Civil, Computer, Electrical, Electronics & Communications, Mechanical, Information Technology and Production & Industrial Engineering. The institute also runs 2-year M.Tech. degree courses in 22 areas of specializations of science & technology and post - graduate courses in MBA and MCA. In addition to providing instructions in various disciplines of Engineering and Technology at the Undergraduate and Post-graduate levels, the institute also has excellent facilities for research in the emerging areas including Nanotechnology, Ergonomics,



Robotics, CAD/CAM, Energy and Environment. The infrastructure is geared to enable the institute to turn out technical personnel of high quality.

## **ABOUT DEPARTMENT**

The Department of Mechanical Engineering started its illustrious journey in 1963. It boasts of one of the most talented faculty amongst the engineering institutes. Since its inception, it has been the source of attraction for meritorious UG, PG and PhD students. The departmental labs are equipped with a wide range of machines, tools and equipment to broaden the practical knowledge of students. It also incorporates labs to carry out design, simulation and development on latest computer systems. The department lays strong emphasis on helping students acquiring practical knowledge and also motivates and assists the students to freely explore the departmental resources and carry out academic activities.

## **SCOPE OF THE CONFERENCE**

Authors are invited to submit their original and unpublished research articles for presentation in the following areas.

- Conventional and Non-Conventional Manufacturing
- Metrology and Quality Control
- Advanced Materials
- Product Design and Development
- Optimization, Modeling, and Simulation
- Manufacturing Systems
- CAD/CAM/CAE and Robotics
- Mechanical Behaviour of Materials
- Failure Analysis
- Mechanisms and Machines
- Sustainable Technology Development
- Tribology Noise and Vibration
- Signal Processing and Condition Monitoring
- FEA, FEM and Computational Mechanics
- Mechatronics

## MEMS/NEMS

Energy/Exergy Analysis of Thermal/Fluid systems  
Combustion and Fuels  
Computational Methods in Thermal/Fluid Systems  
Heat and Mass Transfer  
Refrigeration & Air-Conditioning  
Renewable Energy Systems  
Any other relevant topic

## CALL FOR PAPERS

NFEST 2019 invites original research articles from students, academicians, scientists & researchers and industry professionals in the field of Mechanical Engineering. The official language of the conference will be English only. The full-length plagiarism free research articles may be submitted online through EasyChair. The EasyChair link is available on the conference webpage. The submitted articles will be checked by Turnitin Plagiarism Software for similarity index. The similarity should be within 20% in case of 08 words in a sentence. ***The accepted papers of NFEST 2019 will be published in Scopus indexed journals/proceedings. An agreement has been signed with Journal of Physics : Conference Series, IOP Publishing Ltd.*** Kindly check the conference website for latest updates and information regarding publication partners.

## REGISTRATION INFORMATION

Last Date of Registration 20 <sup>th</sup> January 2019	Registration Fee	
	INDIAN	FOREIGN
Students/Research Scholars	6000 INR	200 USD
Faculty Members	8000 INR	300 USD
Industry/R&D Organizations	10000 INR	400 USD
Listener/participant	2500 INR	150 USD

It is mandatory for at least one author of an accepted paper to register in the conference to include their paper in the technical program. The author presenting their second and subsequent papers will get 30% discount, if he/she registers with the same author name and e-mail ID. Payment can be made through SBI Collect and payment link will be displayed soon on the conference website.

Accommodation can be arranged in Hotels/Guest House on twin sharing basis subject to the availability. Complete details will be uploaded soon on the website.

## IMPORTANT DATES

Last date of Submission of Full-Length Papers	December 05, 2018
Notification of Selection of Full-Length Papers	January 05, 2019
Submission of Full-Length papers (Camera Ready)	January 20, 2019
Date of Conference	February 18-22, 2019

## SPONSORSHIP

The organizing committee of NFEST 2019 invites companies and organizations to advertise themselves during the conference. Sponsors of NFEST 2019 can showcase their services, technologies and solutions to an august gathering of the foremost technologists in India. The conference also provides extensive networking opportunities, which can be fully utilized by availing the complimentary registrations awarded to the sponsors. The conference presents the sponsorship opportunity in the following sponsor categories:

Sponsor Type	Sponsorship Amount	No. of Free Registrations	No. of Exhibit Spaces
Diamond*	₹ 2,00,000/-	4	2
Gold	₹1,50,000/-	3	2
Silver	₹1,00,000/-	2	1
Bronze	₹50,000/-	1	1

Apart from above, all the sponsorship categories will attract the following :

- ❖ One brochure/pamphlet in the registration kit to the conference delegates
- ❖ Acknowledgment during the inaugural session
- ❖ Sponsor's logo/name on the cover page of the proceedings, backdrop and other official documents of the conference
- ❖ Color advertisement of sponsor details/ product details in the conference proceedings for Diamond, Gold and Silver sponsors
- ❖ \*Representation on the dais during the inaugural session of the conference and welcome signage of the sponsor at the venue

### OTHER SPONSORS

- ❖ Apart from the above, potential sponsors of particular events/programs like sponsoring registration kit items, tea-break, lunch and dinner events etc., during the conference, are requested to contact Conveners for further details.



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